Preserve

App I IX 4

Previous References 1934 (nil)

File No 58-34

Serial Nos 3, 5, 6, 7, 9, 10 (one file)

Letter References
PH 82-358 1-4

PRESERVED

GENERAL AND REVENUE SECRETARIAT

Serial Nos Six

Part B for Sept 1935

SUBJECT

Detailed Estimate for the layout of the distribution in respect of the Nagpur Agricultural Water Supply

(a) ref 2131-4 of 1819/35 to Director of Stores in Nagpur, Central Circle, Nagpur, forwarding detailed Estimate for Rs 50,000/- in re.

WD 03607—G1 B—2250—2835

Estimates for the improvement of the Mysore city water supply

£ 325-

325

General and Revenue Secretariat — File No 58 of 1934 — [App F III—2

Serial No 3

Letter no C 800-76 dated 23rd July 34 from the Director of Health in Mysore, forwarding for sanction detailed estimate for the layout of the distribution in respect of the Mysore city water supply and requesting sanction thereto

I put file 246-X-31 B1-14 on the subject is put up and the estimate for Rs 50000/- for improvement of the distribution system at Mysore

The estimate may if approved be sent to the Chief Engineer for favour of scrutiny and remarks if any

Submitted for orders

CHIEF SECRETARY
28 JULY 1934

This may be done unofficially
Chiefsec)

Yes
RB
30/7/34

1) Forwarded with compliments unofficially to the Chief Engineer in Mysore for favour of remarks

Asstt Sec
For Chief Sec to Govt

NOTE:—Contn Sheet

2) The estimates were

have been arithmetically checked & found correct but in a project of this nature it is of vital importance that full details should be worked out by dividing the areas into districts & population wise served Then the hydraulic gradient statements & sections should be prepared It is not clear whether this has been done if not done already, I suggest the details being fully gone into allowing in addition liberally for future increase etc.

WW No 59/34-35
22-8-1934
Ch Secy (para
with Compliments)

19/8/34

8 For orders if the file may be sent unofficially to the Director of Health for favour of stating if the procedure mentioned in the Chief Engineer's note has been followed

PR--
22/8/34

PAm--
22/8

Chief Secy)
9 M
PR
23/8
PAm 23/8

10 "Forwarded with compliments unofficially to the Director of Health for favour of remarks"

By order
Superintendent
For Chief Secy

1X.20 No C800-83
29/8/34

Kionwo.
25.8

OFFICE OF THE DIRECTOR OF HEALTH SERVICES
Entire file received 29/8/34
G R No
File No 800-81
Despatch No

It is transmitted with compliments to the Chief Secretary to the Government of Mysore

Water Supply Distribution — Mysore City

General and Revenue Secretariat — File No 225 of 1934

Serial No	
12	The sizes of the mains and sub mains have been fixed after providing suit bly for the require ents of all the sections, basing them on the population of each section Ample provision has also been made for future increase tion Hydraulic gradients and sections have also been considered Director of Health 28/8/34
13	Please put up Draft G.O sanctioning the estimate 29/8
14	Draft submitted, for approval 30/8/34 (Chetpet) 3/9
15	
16	8/9/34 Dewan Hon'ble Secy. to P.W.D.
17	Returned, with compliments
2 18	The estimate is checked arithmetically.
3 19	Details of calculations have not been furnished with the estimate The Director of Public Health appears however to have satisfied himself with the adequacy of provision made in the estimate for the dimension of mains and

SECRETARY
29/8/34

SECRETARY
3 Sept 1934

PW No 144/31-35
14-9-1934

11/9/34

The details mentioned above should be checked in this office

PW No 12
34-35
13-10-34

13/9/34

3385 - 1/33243

submains, &c If technical scrutiny and approval of the Chief Engineer is required it is obvious that these details should also be furnished

Chief Engr) 6/10/34

2. Please get these details from the D of P H Engr
R
26/10/34

21, Please put up draft
Town Director 21/10

Issued with a draft
21/10

23 Issued 23/10/34

The Director of Health Services Mysore
No L 19 dated 22-10-34
Requests him to furnish the details of calculation made in arriving at the estimate

5

Sub A
31/10/34

6

Letter No C 800-89 dated 24-1-35 from the Director of Health forwarding copy of letter from the Sanitary Engineer Bureau of Sanitary Engineering furnishing the information along with the drawing showing the hydraulic gradient

24 The file may now be referred to the Chief Engineer with reference to his note dated 6-10-34

Recd 31/1

2. Forwarded with compliments and request to the Chief Engineer for favour of scrutiny.

By order
Assistant to

1.2.35

For Chief Secretary to Govt

To Dr D 2/2/35

26
No 333
4 2 35
Urgent

Bruar 2nd
31/3 - 2 2 35

file
Follow
4/4 Manager Table

Lr No 147-34
2/2/35

Public Works Department
Central Office

3323

File No of 19

Serial No

W O 20 No 257 & 2 3 35

Returned, with compliments, to the Chief Secretary to Government

26 Details of calculations have not been furnished even now, beyond a longitudinal sectio of the ground with the hydraulic gradient marke thereon

27 The present population with the prospect also in the different areas proposed to be served by the mains and submains should have been intimated as also the quantity of water per head on which the calculation should be based It is mentioned in the Sanitary Engineer's letter o 18th January 1935, that the maximum consumptio is about 300,000 gallons in 12 hours and the mains are designed for this discharge In the Bangalore Water Works 10 hours is usually assumed The Sanitary Engineer may be requested to furnish all the above details to enable a scrutiny of the estimate

1/3/35

Secretary to Government,
Public Works Department

Bangalore,
March 1935.

28 A Please do

1/3/35

29 Please put this up

SECTION
- 6 MAR. 1935
V SECTT

30 Draft submitted
2/3

31 Issue
5/3

Note—Contn Sheet

WD 761—(PB—3000—4 10-30

Estimate for improvement of water supply - Myaungmya

3323 / V 378 / (24)

[App F III-2

* General and Revenue Secretariat | MC File No 58 of 1934

Serial No	
7	The Director of Health No L 6175 dated 7-3-35 calls for further particulars
	Letter No C 800-101 dated 23-7-35 from the Director of Health furnishing the details called for.
	The file may now be referred to the Chief Engineer with reference to his remarks in paras 26 & 27 supra
	Rem 25/7 M/25/7 35 Forwarded with compliments and reference to the Chief Engineer's W.O. reference in para 26 supra
	By order Illegible 26/7/35 For Chief Secretary to Govt
	W.O. No 124 dated 5-7-35
	Returned with Compliments to the Chief Secretary. The estimate has been duly scrutinised & found to be in order
	3/9/35 Chief Engineer 30/8/35
	Please put up Draft G.O. sanctioning the estimate
	6/

Sub A 9/3

W.O. No 159 dated 26-7-35

W.O. No 147 dated 7-35

5 SEP 1935

Note-Contn Sheet

Inv / movements of water supply to hydrocarbons

File No L 3780/5 of 1934

General and Revenue Secretariat

Submitted with a draft for approval

18.3.35

7 9 35

(Chapters)

Plan Engg of

Asst Secy

Dept- for appl

Secy

Ho

13-9-35

Joint L 2131-4 A 1079/35 To Director of Veterinary Services, Chepauk, Madras with reference to the above Estimate

ROUTINE NOTES

5

(To be used only for notes requisitions etc not intended for permanent record)

Submitted

Improvement of Water Supply distribution in the Mysore City Estimates received with Chief Secy's No note No 15 D/26 7 35 have been checked by the Dr Br

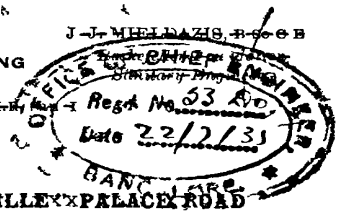
(Flag Y) The note of Messrs Ramaswamy, Supdt Wks Water Works on the Calculation ~~of the range of the~~ for laying the proposed 10" C I main from the High level Reservoir to the Mysore Rly Station Circle pertaining to the estimate (flagged X) is also herewith put up for orders

C/ The Estimates are checked. May return the file with the remarks

MMB 29/3/35

P Parthasarathy, L ... C P Etc
... VENKARVE, A.B. CHEMMEN
Ag Director of Health

GOVERNMENT OF MYSORE
DEPARTMENT OF HEALTH
BUREAU OF SANITARY ENGINEERING
... Hutcha Rao B.A. B.E.
B.-R. GARUDACHAR, B.A., C.E., M.I.M.E. & C.E., B.E. M.I.E.
Executive Sanitary Engineer
Assistant Engineer



D O No. 216

GRACE VILLE PALACE ROAD

Encl.

Bangalore (S I dia) dated July 19 *193* 5

Dear Mr Lakshmanachar

With reference to your D O No. 29 dated 9-7-1935 about the file of papers about laying a 10 C I water supply main from the High Level Reservoir at Mysore I am directed to state that all the papers have been submitted to the Director of Health in this office No 14 dated 5-7-1935 for forwardal to the Chief Engineer

I hope the papers are received in your office by now

Yours sincerely,

L Hutcha Rao
19/7

N Lakshmanachar Esq B A B E,
Assistant Secretary
Public Works Department
Bangalore

N SECTT

for Approval

29

ted 9-7-35

FROM

The Chief Engineer of Mysore Bangalore

~~To~~ Do. No.

D/

~~Subject~~ Dear Sir,

I write to inform you that Mr. S V Ramaswamy, Superintendent, Vani Vilas Water Works has sent to ~~me~~ the Calculations for ~~the water~~ laying a 10" C I W S main from the High Level Reservoir to the Railway Station Circle, Mysore Cty, to inform the water supply in the Chamundi Extension

If the Connected file is ~~been received by you, it may kindly~~ be forwarded ~~Sent~~ for taking further action, as

(is available with you)

17

Chamundi Thar Eng

Engr

W SEC... FROM

6

~~The Chief Engineer~~ of Mysore, Bangalore

~~It~~ for Approval

~~To~~

Do No

Dated

Dear ~~Mr Ramaswamy,~~ Sir

~~Subject~~ your Do Letter NO 1401 dated the 18th June 1935 re/ the 10"C.I. Main from the High level Reservoir to the Railway Station Circle, Mysore City

I request you to kindly intimate whether the connected ~~Concerned~~ file has been referred to T.O. and if so, please quote the reference, may be quoted

Yours Sincerely

To

S V Ramaswamy, BA BE, M E,
Supdt. Vr Water Works,
Mysore

P.T.O. 6
1/7/35

Deputy Secy
Mech. Mr Ramaswamy
and Calculation
Chamundi Elec. Supply Mysore
Met.

WD 928—GPB—10 0C—24

Engineer

Public Works Department
Central Office

File No

of 193

Ser al No

Note on the Calculations of the size of the proposed 10" C I main from the High Level Reservoir to the Railway Station Circle, Mysore City, Received with Do letter No 1401 dated 18 6 1935 from the Superintendent, Vani Vilas Water Works, Mysore

memo No dated

Forwarded to the Executive Engineer, Water Supply Division Bangalore, for favour of remarks

for Chief Engineer
Rec 28/6
26/6

Where's the file
Ask Arch

Note —Contn Sheet

WD 0125J—G1 B—5 000—15 1.-34

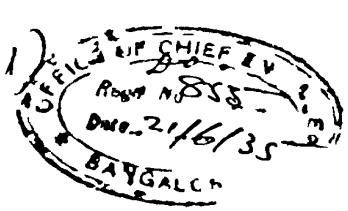
1782

S. V RAMASWAMI B A B E M E
SUPERINTENDENT
MYSORE WATER WORKS

MYSORE

Dr 18th June 1935

D.O No 1401
E1



Dear Mr Lakshmanachar,

Adverting to our personal conversation about the size of the new distribution main from the High Level Reservoir, I am enclosing herein a note explaining the calculations on which the 10" size was arrived at I request you to kindly go through it and let me know if it is alright

Yours Sincerely,

18/6/35

Encl 1 Note

To

Lakshmanachar, Esqr , B E ,
Assistant Secretary,
Mysore P & D

is there any file pending with you?

is estimated to supply at present about 100,000 gallons in a day of 12 hours It is safe to take the future demand in 10 years at

NOTE ON THE CALCULATIONS OF THE SIZE OF THE PROPOSED 10" CAST IRON MAIN FROM THE HIGH LEVEL RESERVOIR TO THE RAIL AY STATION CIRCLE, MYSORE CITY

29372

Estimate I for Rs ~~10000~~

With a view to relieve the water scarcity in Chamundy Extension, Wood-Yard, Seeneerkatte etc , which are all situated at the southern end of the City it is proposed to lay an independent service main from the High Level Reservoir to the southern extension of the City, as the existing mains are already overtaxed even before they enter the beginning of the extension Further, it is found that the existing 6' main which starts from the Railway Station Circle, as a branch connection on the existing 16" High Level Main, and runs along the Viceroy Road to the Railway Workshops, feeding Adikarnatakapura on the way, is an overload on the 16" main This 6 main which serves another part of the southern end of the City also deserves to be taken away from the existing overloaded 16 main and connected to ~~another~~ the proposed independent main to be laid, and connected directly to the High Level Reservoir Thus, it is proposed to feed both the above southern ends of the City by an independent main laid from the High Level Reservoir

As regards the Chamundy Extension etc , the number of houses which the proposed main is meant to serve is estimated to be about 1,500 now and 2,000 in 10 years, and the population to be served is about 10,000 to 12,000 now and will be about 15,000 in 10 years Taking per capita consumption at 20 gallons per day, the quantity of water which the main will have to discharge is 300,000 gallons in 12 hours at an effective pressure of not less than 20ft (as per P W D Handbook, Bombay, Vol II, page 736)

The present 6 " main serving the Railway Workshop etc , is estimated to supply at present about 100,000 gallons in a day of 12 hours It is safe to take the future demand in 10 years

at

at 150,000 gallons in a day of 12 hours fro the existing 6 main

Thus the total quantity of water which the new main from the High Level Reservoir will have to give in 12 hours will be 300,000 + 150,000 = 450,000 gallons The point at which the 6 main will have to be connected to the new main is the Railway Station Circle, wherefrom it starts actually now Thus, the new main giving a discharge of 450,000 gallons will have to be laid from the High Level Reservoir upto the Railway Station Circle

As regards the size of the main, it is found by referring to P / D Handbook, Bombay, Vol II, page 754, that the size of the main already arrived at as mentioned in the Report, viz , 10' Cast Iron main, is capable of giving 450,000 gallons in a day of 12 hours or 620 gallons per minute at a slope of 7 0 per 1,000, and the same pipe is capable of giving 540,000 gallons in a day of 12 hours or 750 gallons per minute at a slope of 10 0 per 1,000

Referring to the Hydraulic Gradient Diagram it is found that the 10' main is capable of discharging 450,000 gallons at 4 feet per second at an effective pressure of 62 ft , with a slope of 7 per 1,000 and the same pipe is capable of giving 540,000 gallons at 5 feet per second at an effective pressure of 45 ft with a slope of 10 per 1,000

As regards the branch main to Chamurdy extension, which starts from the Railway Station Circle it is found by verification with the P D Handbook, that an 8 main with a slope of 9 per 1000 gaves a discharge of 285,000 gallons in 12 hours The Hydraulic Gradient Line shows that with a slope of 9 per 1000 the 8' main gives a discharge of 300,000 gallons at 4 feet per second with an effective pressure of 22 6 ft at the point where the main begins to serve the extension

Thus the 10' main is capable of feeding both the 8 and the 6 mains which feed the southern ends of the City, and it is the minimum size required

The

The 10" main is proposed to be laid from the High Level Reservoir upto the Railway Station Circle At t. is point the existing 6' main will be connected to the 10" main and the new 8' main will start from here and run alon. Narayanasastry Road, to a distance of 9,200 feet upto the Chamundy Extension where it begins to serve

---

L S, Q MISS

GOVERNMENT OF MYSORE

DEPARTMENT OF HEALTH

325-
L

ML 58-34-3

J V KARVE MB CHB DPH
Director of Health

Telephone N 340
Telegram HEALTH

No C 800-76

Encls 9 reports
9 estimates
9 plans
1 ge alignment
18

GRACE VILLE PALACE ROAD

Bangalore (S India) dated July 23, 1934

FROM

J V KARVE Esq MB CHB (EDIN) DPH (LOND)
Director of Health with the Government of
H H the Maharaja of Mysore Bangalore

SECRETA
Leg
JULY 1934

RR
2517/34
RM 2517

GEN & REV SECTT
26 JULY 1934
L S & R BRA

To

S Abdul Ahad, Esq., B A,
General Secretary to the Government of
H H the Maharaja of Mysore, Bangalore.

SIR

I have the honour to invite your kind reference to Government Order No L 112-15/ 1 246-13-14 dated the 6th/8th July 1933 sanctioning an estimate for Rs 1,50,000/- towards improvements to Mysore City water supply and to state that the estimate provided for a lumpsum provision of Rs 50,000/- for improving the distribution system Detailed estimates for the lay out of the distribution have been just prepared The are enclosed herewith along with the explanatory reports

No C 800-76 Bangalore Dated 23rd July 1934

From

Dr J V Karve, M B ,Ch B ,D P H ,
Director of Health in Mysore, Bangalore

To

S Abdul ajid, Esq ,B A ,
General Secretary to the Government of
H H the Maharaja of Mysore, Bangalore

Sir,

I have the honour to invite your kind reference to Government Order No L 112 -15/M 1 246-13-14 dated the 6/8th July 1933 sanctioning an estimate for Rs 1,50,000/- towards improvement to Mysore City Water Supply and to state that the estimate provided for a lumpsum provision of Rs 50,000/- for improving the distribution system Detailed estimates for the lay out of the distribution have been just prepared They are enclosed herewith along with the explanatory reports

The rates provided for materials are as per accepted schedule and for labour the accepted tender rates

I request you to be so good as to move Government to accord their early sanction to the detailed estimates

I have the honour to be,

Sir,

Yourmost obedient servant,

Sd J V Karve
Director of Health

" C O P Y "

Appendix F G—1]

SUBJECT

Section

File No

Serial No

Camp No L 18

iary No of letter replied to

To The Director of Health

General and Revenue Secretariat

( )

the *193*

Sir,

With reference to your letter No. C800-76 of 237 34 forwarding an estimate for the augmentation of the water supply system at Mysore, I am directed to request you to do so as to furnish certain details of calculation as may be required for sending to the Chief Engineer.

I have etc

for Secy to Govt

Date of issue 8/10

Signed by Mr A S Rao

and your endorsement No C800-83 of 29-8-34 regarding the

made an arrangement the estimate

List of enclosures

Copied by

Examined by

WD 01956—GPB—22 530—12 6-34

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE

General and Revenue Secretariat

Camp Mysore 22nd Oct 1934.
Dated Bangalore

Camp No L 19
G R C 58-34-5

From

Rajasevasakhta R Ranga Rao, Esquire, B A , B
Chief Secretary to the Government of His Highness
the Maharaja of Mysore

To

Dr J V Karve, M B , Ch B , D P H ,
Director of Health in Mysore, Bangalore

Sir

With reference to your letter No C 800-76 dated the 23rd July 1934 and your unofficial note No C 800-83 dated the 29th August 1934 regarding the estimate for the improvement of water supply distribution system in Mysore City, I am directed to request you to be so good as to furnish early the details of calculation made in arriving at the estimate

I have the honor to be,

S i r ,

Your most obedient servant,

Chief Secretary to Government

P H

GOVERNMENT OF MYSORE

3323
L

DEPARTMENT OF HEALTH

J V KARVE MB CHB DPH
Director of Health

Telephone No 340
Telegram HEALTH

No C 800-8

Encl

M 58-34-6

GRACE VILLE / PALACE ROAD
Camp Holenarasipur
(S India) dated January 24, 1935

FROM

J V KARVE ESQ MB CHB (EDIN) DPH (LOND)
Director of Health with the Government of
H H the Maharaja of Mysore Bangalore

R Ranga Rao, Esq ,B A ,B L ,
Chief Secretary to the Government of
H H the Maharaja of Mysore, Bangalore

SIR

With reference to your letter No Camp Mysore 19/M1 dated 22nd October 1934, regarding the estimate for the improvement of water supply distribution in Mysore City and calling for the details of calculations of the hydraulic gradient of the new main proposed etc , I have the honour to forward herewith for perusal copy of Sanitary Engineer's Letter No 238 dated 18th January 1935 along with the tracing showing the hydraulic gradient

I have the honour to be,
Sir,
Your most obedient servant,

Director of Health

Letter No 238 dated 18th January 1935 from the Sanitary Engineer, Bureau of Sanitary Engineering, Bangalore, to the Director of Health in Mysore, Bangalore

---

With reference to your No C 800-87 dated 27th October 1934 forwarding copy of letter No 19/M1 dated Camp Mysore 22nd October 1934 from the Chief Secretary about the hydraulic gradient of the new main proposed to be laid from the High Level Reservoir to Chamundy Extension at Mysore, I have the honour to submit herewith, a copy of the hydraulic gradient for your kind information

The maximum consumption in the extension is about 300,000 gallons in 12 hours and the mains are designed for this discharge The 10" main runs up to the Railway Station Circle and a 6" main taps the supply here to the Railway Workshops Hence the discharge through the 10" main is taken to be the sum of the discharge through the 8" and 6" mains

The velocities and friction losses through the 8" and smaller mains are calculated for the above maximum discharge of 300,000 gallons

It is requested that the estimates for laying the mains may kindly be sanctioned at an early date, as the works have to be completed before the close of the official year

---

" C O P Y "

Director of Health

Appendix F G–1]

SUBJECT

Diary No of letter replied to

General and Revenue Secretariat

( )

the 193

Date of issue 7-3-35

Signed by for ASR

List of enclosures

Copied by WBB

Examined by

Section PWL

File No 58-34

Serial No 7

No L6175 / Records

To

The Director of Health in Mysore

Bangalore

Sir,

With reference to the correspondence ending with your letter No C 800-84 dated 24-1-1935 furnishing certain details of the estimate for the improvement of water supply distribution in the city, I am directed to observe that the details of calculations ~~called for~~ have not been furnished, beyond a longitudinal section of the ground with the hydraulic gradient marked thereon ~~and to~~ ~~Please state~~ ~~that~~ The present population with the prospects

areas proposed to be served by the mains
and sub-mains as also the quantity of
water per head on which the calculation
should be based have not also been intimated
I am to request that the above details may be obtained from the
Sanitary Engineer ~~may be asked to~~ and furnished to Govt early
~~the above details early~~

I have etc

Asst Sec/3 for chief Secy
Rem

GOVERNMENT OF HIS HIGHNESS THE MAHARAJA OF MYSORE

General and Revenue Secretariat

Dated Bangalore 6th March __ 193 5

No L 6175
Rev 58-34-7

Revenue

From

The *Chief Secretary to the Government of His Highness the Maharaja of Mysore*

To

The Director of Health
in Mysore, B a n g a l o r e

Sir,

With reference to the correspondence ending with your letter No C 800-89 dated 24th January 1935 furnishing certain details of the estimate for the improvement of water supply distribution in Mysore City, I am directed to observe that the details of calculations have not been furnished, beyond a longitudinal section of the ground with the hydraulic gradient marked thereon The present population with the prospective also in the different areas proposed to be served by the main and submains as also the quantity of water per head on which the calculation should be based have not also been intimated I am to request that the above details ~~might~~ be obtained from the Sanitary Engineer and furnished to Government early.

I have the honour to be,
Sir,
Your most obedient servant

For Chief Secretary to Government

TSS

GOVERNMENT OF MYSORE

DEPARTMENT OF HEALTH

D ector f H lth

Teleph e N 340

T l g am HEALTH

Encl

GRACE VILLE PALACE ROAD

Bangalore (S India) dated July 22 1935

FROM P Parthasarathy, Esq , L I S.,B S Sc ,L R C P & S , D.T.H
J V KARVIL, Esq M.B.,Ch.B.(Liverp.), D.P.H.(Lond.) D P H ,
Ag *Director of Health with the Government of*
His Highness the Maharaja of Mysore
Bangalore

To

K V Anantharaman, Esq ,B A ,
Cffg Chief Secretary to the Government of
H H the Maharaja of Mysore, Bangalore

SIR Subject - Improvement of Water Supply Distribution in Mysore City

Adverting to your letter No L 6175/M1 58-34-7 dated th March 1935, I have the honour to forward herewith the the marginally noted estimates together with the details of calculations

Estimate No	Amount
1	29,372
2	2,768
3	1,274
4	3,380
5	5,472
6	2,831
7	2,141
8	2,300
9	462
Total	Rs 50,000/-

I have the honour to be,
Sir,
Your most obedient servant,

Ag Director of Health

NOTE ON THE CALCULATIONS OF THE SIZE OF THE PROPOSED 10" cast iron main from the High Level Reservoir on the Railway Station Circle, Mysore City

Estimate 1 for Rs 29,372/-

With a view to relieve the water scarcity in Chamundy Extension, Wood-Yard, Seeneerkatte etc , which are all situated at the southern end of the City it is proposed to lay an independent service main from the High Level Reservoir to the southern extension of the City, as the existing mains are already overtaxed even before they enter the beginning of the extension Further, it is found that the existing 6" main which starts from the Railway Station Circle, as a branch connection on the existing 16" High Level Main, and runs along the Viceroy Road to the Railway Workshops, feeding Adikarnatakapura on the way, is an overload on the 16" main This 6" main which serves another part of the southern end of the City also deserves to be taken away from the existing overloaded 16" main and cornected to the proposed independent main to be laid, and connected directly to the High Level Reservoir Thus, it is proposed to feed both the above southern ends of the City by an independent main laid from the High Level Reservoir

As regards the Chamundy Extension etc , the number of houses which the proposed main is meant to serve is estimated to be about 1,500 now and 2,000 in 10 years, and the population to be served is about 10,000 to 12,000 now and will be about 15,000 in 10 years Taking per capita consumption at 20 gallons per day, the quantity of water which the main will have to discharge is 300,000 gallons in 12 hours at an effective pressure of not less then 20 ft (as per I W D, Handbook, Bombay, Vol II, page 736)

The present 6" main serving the Railway Workshops etc , is estimated to supply at present about 100,000 gallons

gallons in a day of 12 hours from the existing 6" main

Thus the total quantity of water which the new main from the High Level Reservoir will have to give in 12 hours will be 300,000 + 150,000 = 450,000 gallons The point at which the 6" main will have to be connected to the new main is the Railway Station Circle, wherefrom it starts actually now Thus, the new main giving a discharge of 450,000 gallons will have to be laid from the High Level Reservoir upto the Railway Station Circle

As regards the size of the main, it is found by referring to P W D Handbook, Bombay, Vol II, page 754 that the size of the main already arrived at as mentioned in the report viz , 10" cast iron main, is capable of giving 450,000 gallons in a day of 12 hours or 620 gallons per minute at a slope of 7,0 per 1,000, and the same pipe is capable of giving 540,000 gallons in a day of 12 hours or 750 gallons per minute at a slope of 10,0 per 1,000

Referring to the Hydraulic Gradient Diagram it is found that the 10' main is capable of discharging 450,000 gallons at 4 feet per second at an effective pressure of 62 feet with a slope of 7 per 1000 and the same pipe is capable of giving 540,000 gallons at 5 feet per second at an effective pressure of 45 feet with a slope of 10 per 1000

branch main to Chamundy Extension which starts from the Railway Station Circle it is found by verification with the P W D Handbook, that an 8" main with a slope of 9 per 1000 gives a discharge of 285,000 gallons in 12 hours. The hydraulic gradient line shows that with a slope of 9 per 1000 the 8" main gives a discharge of 300,000 gallons at 4 feet per second with an effective pressure of 22 6 feet at the point where the main begins to serve the extension

QB

Thus the 10" main is capable of feeding both the 8" and the 6" mainswhich feed the southern ends of the City, and it is the minimum size required

The 10" main is proposed to be laid from the High Level Reservoir upto the Railway Station Circle At this point the existing 6" main will be connected to the 10" main and the new 8" main will start from here and run along Narayanasastry Road, to a distance of 9,200 feet upto the Chamundy Extension where it begins to serve

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Ag Director of Health

25

Diary No of letter replied to £ 378

Section ml
File No 58-34
Serial No 10

General and Revenue Secretariat

(ml)
the *193*

Proceedings of the Government of His Highness the Maharaja of Mysore

Date of issue 18-9-35 (ಆಗಸ್ಟ್ 18 ನೇ ತಾರೀಖು) 193 A.

Signed by

May this be—

(i) printed ?

( ) t eated as a standin order ?

(ii) publ shed r the Ga ette English Part ?

(iv) translated ?

(v) placed at the disposal of the press ?

(vi) published in the Gazette Kannada Part ?

Read— Go. no £ 112 15 ml 26-31 -14 dated 6/8th July 1933 Sanctioning an estimate for Rs 1,50,000/- towards the improvement of the Mysore city water supply, providing among other things a sum of Rs 50000 for improving the distribution system.

~~Order thereon No~~

2) Correspondence ending with letter no C 800-101 of 23/7/35 from the Director of Health in Mysore, forwarding for sanction detailed estimate for Rs 50000/- for the layout of the distribution in respect of the Mysore Civil

P T

Water supply

Order - L 2131-4
Fire ~~Board~~ plans estimates
Sanctioned

Nov 7/9 Chief Engineer to Govt

The Director General in Mysore with plans & estimate

The communication to Govt

The Chief Engineer in Mysore

The President Alg Mild Mysore

List of Enclosure

Copied by

Examined by

W D 0185—GPB—15 000—13 8 34

[redacted] of the Government of His Highness
the Maharaja of Mysore

Government order No [illegible] 112-15/M1 246-31-14 dated the 6th/8th May 1933 sanctioning an estimate for Rs 1,50 000/- towards the improvement of the Mysore City Water Supply, providing among other things a sum of Rs 50,000/- for improving the distribution system

2 Correspondence ending with letter No C 880-101 dated the 23rd July 1935 from the Director of Health in Mysore forwarding for sanction detailed estimate for Rs 50 000/- for the layout of the distribut on in respect of the Mysore City Water Supply

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Order No L 2131-4
Rev 58-34-10

Dated, Bangalore the 16th/18 September 1935

S a n c t i o n e d

Aswathappa
for Chief Secretary to Government

To

The Direc or of He lth in Mysore with plans and Estimates
The Comptroller to Government
The Chief Eng neer in Mysore
The President City Municipal Council Mysore

C.R C 5